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DEPARTMENT OF NATURAL RESOURCES

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Division of Oil, Gas and Mining

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Minerals Inspection Report

Reviewed 

Report Date: 1-22-15

Mine Name: Talons Cove	Permit Number: M/49/0091	Mine Status: Active
Operator Name: TM Crushing	Inspection Date: 01/15/2015	Permit Fees: Paid
Inspector(s): A. Abate, W. Western	Inspection Time: 1:30 PM	Bond Amount: \$435,000
Attendee(s): Nick Baird, Jason Dansie	Weather: Clear 40s	Bond Escalation:
Inspection Purpose: Large Mine Permit Review Field Inspection		Prior Inspection: 03/06/2014

Conclusions and Recommendations

Small mine permits S/49/0081 and S/49/0087 should be retired and any associated bond amounts should be transferred to new LMO M/49/0091. New LMO with revisions should be submitted to the Division.

Elements of Inspection	Evaluated & Commented	Enforcement
1. <i>Permits, Revisions, Transfer, Bonds</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
It was discovered upon review of the LMO that the site was originally permitted as a small mine with a \$25,100 bond. The site continued to expand beyond the original 5 acre foot print to approximately 90 acres. The operator was notified and was sent a Division Directive on January 6, 2015 to provide adequate bond to cover the disturbance. The operator posted an interim surety for the existing disturbance in the amount of \$435,000. This will likely increase after the LMO is reviewed and approved by the Division. The operator verbally indicated that the company wishes to withdraw the current LMO currently in review with the Division and will resubmit the plan with more accurate information presented in it.		
2. <i>Public Safety (shafts, adits, trash, signs, highwalls)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Highwalls did not appear to be at an angle that would pose a public safety hazard. At reclamation highwalls are required to be left at an angle of 45 degrees or less by rule.		
3. <i>Protection of Drainages/Erosion Control</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The sediment retention area at the entrance of the property was evaluated. Water was ponding up and back flowing toward the office trailers. Discussed with the operator blading a ditch and pitching the ground so that flow can be better directed toward the pond. Also discussed shoring up the berms around the pond. The operator agreed to provide photos after this work was completed.		
4. <i>Deleterious Material</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
None Observed		
5. <i>Roads (maintenance, surfacing, dust control, safety)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roads looked well maintained.		
6. <i>Reclamation</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Not applicable		
7. <i>Backfilling/Grading (trenches, pits, roads, highwalls, shafts)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No backfilling was observed.		
8. <i>Soils</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Topsoil piles that were on the proposed plan were not in the same locations at the mine site. Discussed with the operator what constitutes topsoil. The topmost growth horizon is the layer that should be segregated from the overburden rock and stockpiled for later use in reclamation. The topsoil piles should be stabilized by berms and seeded for erosion control. Ideally, piles should be labeled so that contractor will not mistake them for fill material. Topsoil stockpiles and other important features must be accurately portrayed on maps so that OGM field inspectors can easily locate them.		
9. <i>Revegetation</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Based on the discussions during the inspection, it is likely that there will not be enough topsoil to adequately revegetate the site.		
10. <i>Other</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

There was some discussion about the status of the Allred Pit. The Allred mine is an actively permitted 16-acre site operated by Interstate Brick Company. This mine is located in Sec. 9 T5S R1W. Upon some additional research, it appears that TM Crushing pulled a second permit S/49/0087 called the "Talons Cove Ph. 2 Allred Pit". However, this permit is for Section 8 T5S R1W which represents the Phase II expansion area that the proposed Talons Cove LMO M/49/0091 will cover. As such, the Division recommends closing this second permit. This permit holds a surety bond in the amount of \$26,700 that can be released to the operator or have transferred over to the current surety for M/49/0091.

Inspector's Signature: _____

CC: Nick Baird, nbaird@hadcoconstruction.com

File: /nrwogmfs1/OGM/GROUPS/MINERALS/WP/M049-Utah/M0490091-Talon'sCove/inspections/Insp01152015.pdf



Sediment Catchment Area near the entrance



View from inside the existing pit. According to the operator, no highwalls will be left all areas will be mined out.



View of the highwall facing east.



Approximate outline of current disturbance of Talons Cove.